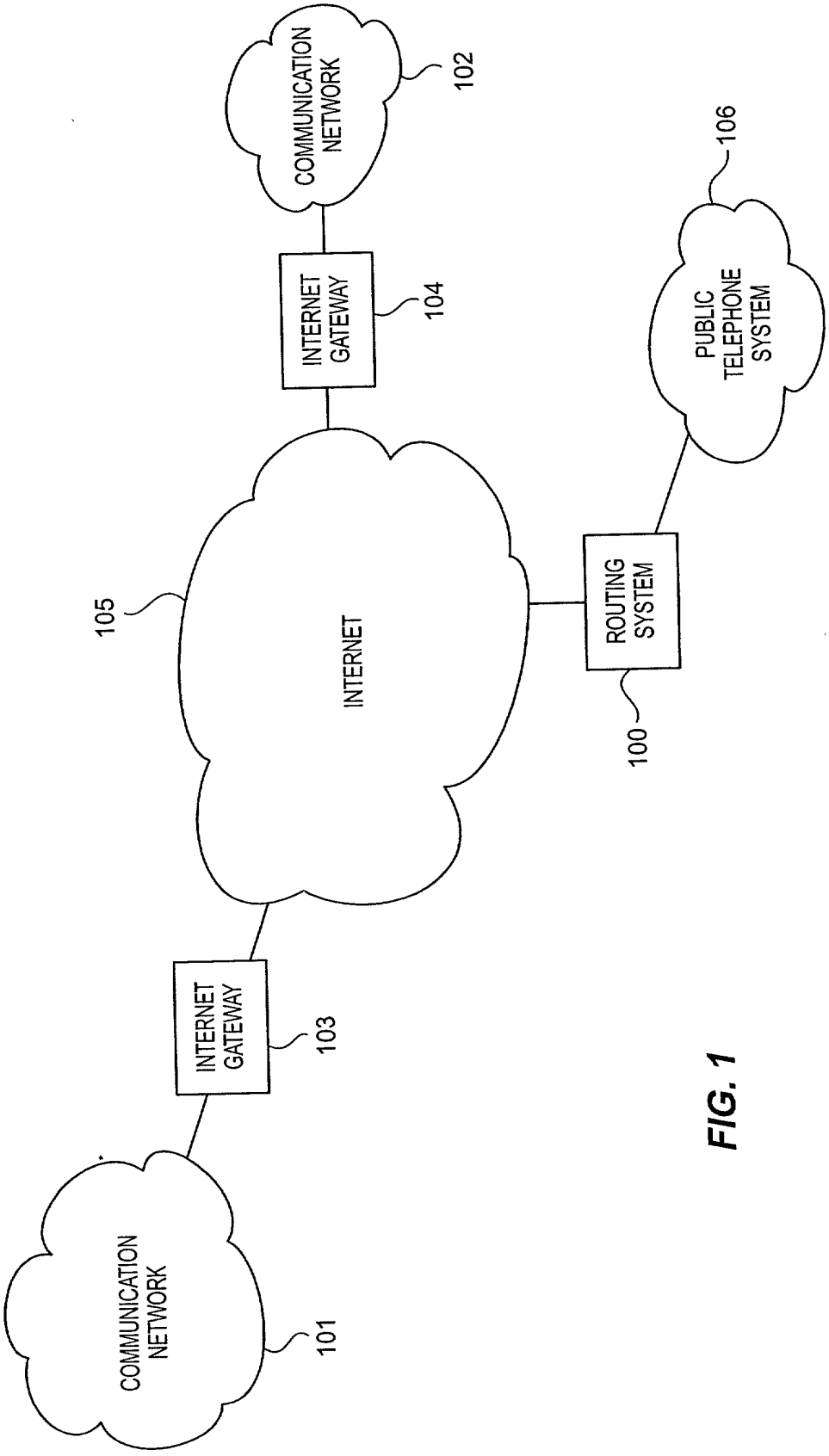
COMMUNICATION NETWORK
101
INTERNET GATEWAY
103
INTERNET
105
COMMUNICATION NETWORK
102
INTERNET GATEWAY
104
ROUTING SYSTEM
100
PUBLIC TELEPHONE SYSTEM
106

FIG. 1

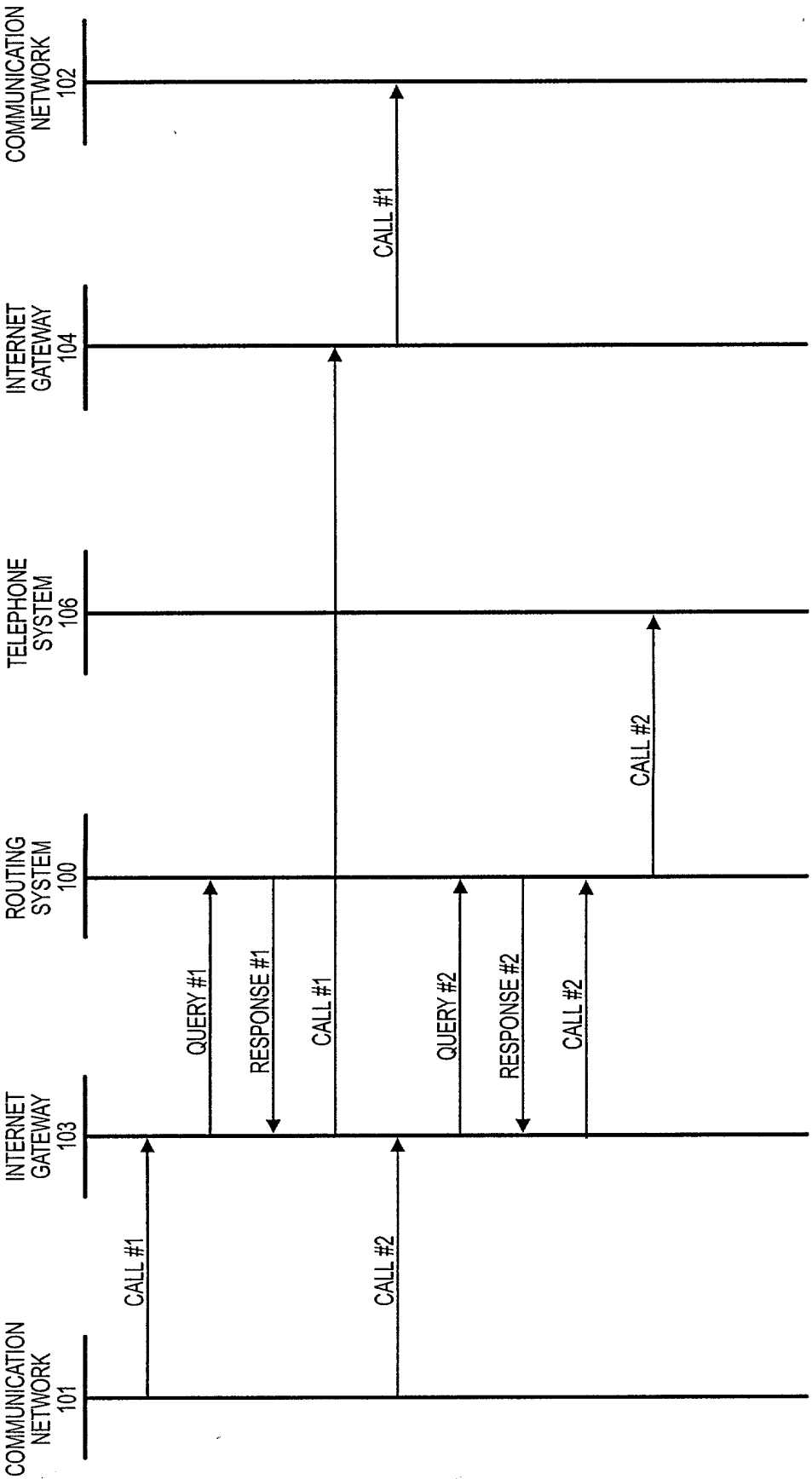
COMMUNICATION NETWORK 101
INTERNET GATEWAY 103
ROUTING SYSTEM 100
TELEPHONE SYSTEM 106
INTERNET GATEWAY 104
COMMUNICATION NETWORK 102
CALL #1
QUERY #1
RESPONSE #1
CALL #1
CALL #1
CALL #2
QUERY #2
RESPONSE #2
CALL #2
CALL #2

FIG. 2

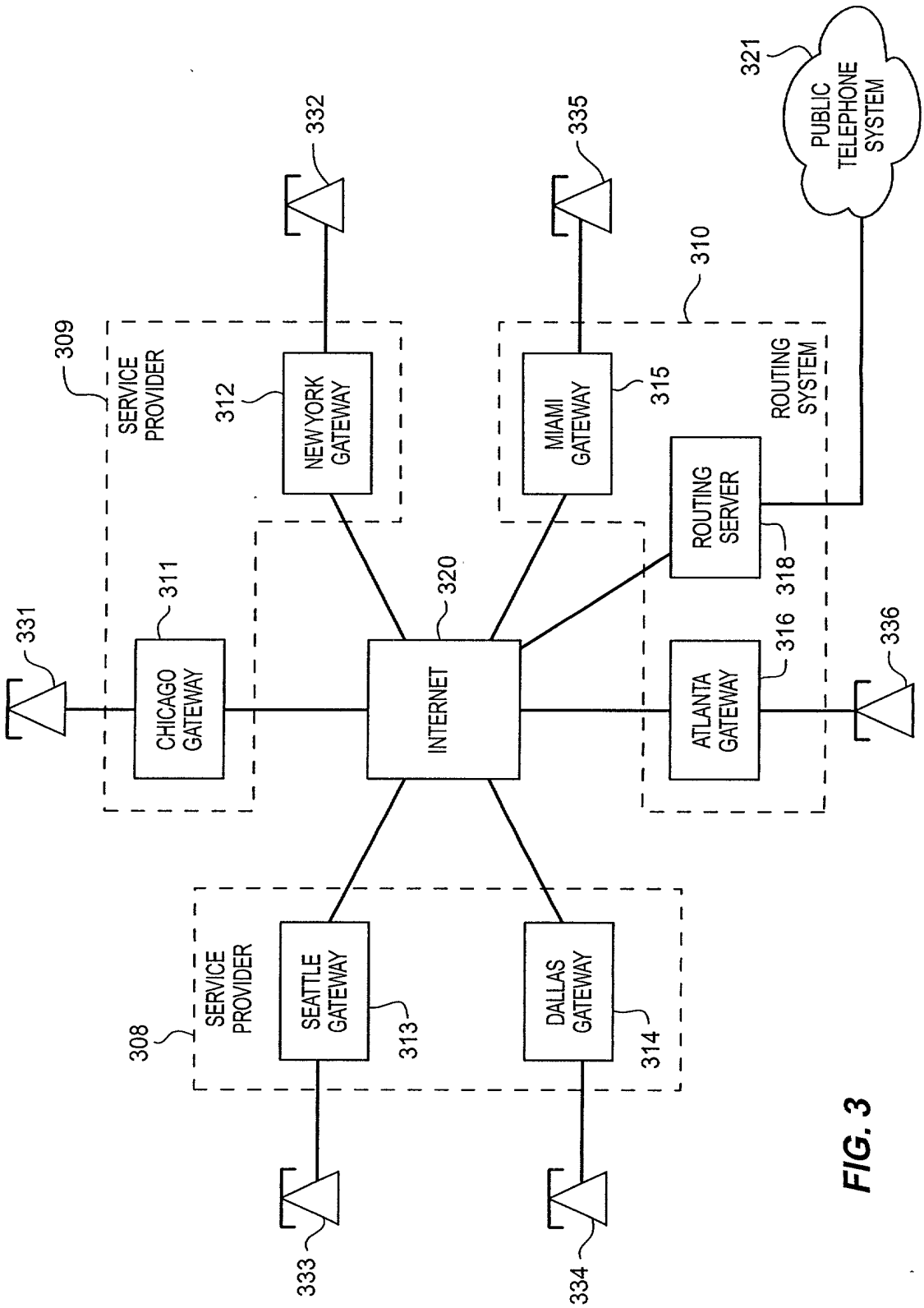
PUBLIC TELEPHONE SYSTEM
321
332
335
310
309
SERVICE PROVIDER
312
NEW YORK GATEWAY
MIAMI GATEWAY
315
ROUTING SYSTEM
ROUTING SERVER
318
331
311
CHICAGO GATEWAY
320
INTERNET
316
ATLANTA GATEWAY
336
308
SERVICE PROVIDER
SEATTLE GATEWAY
313
DALLAS GATEWAY
314
333
334

FIG. 3

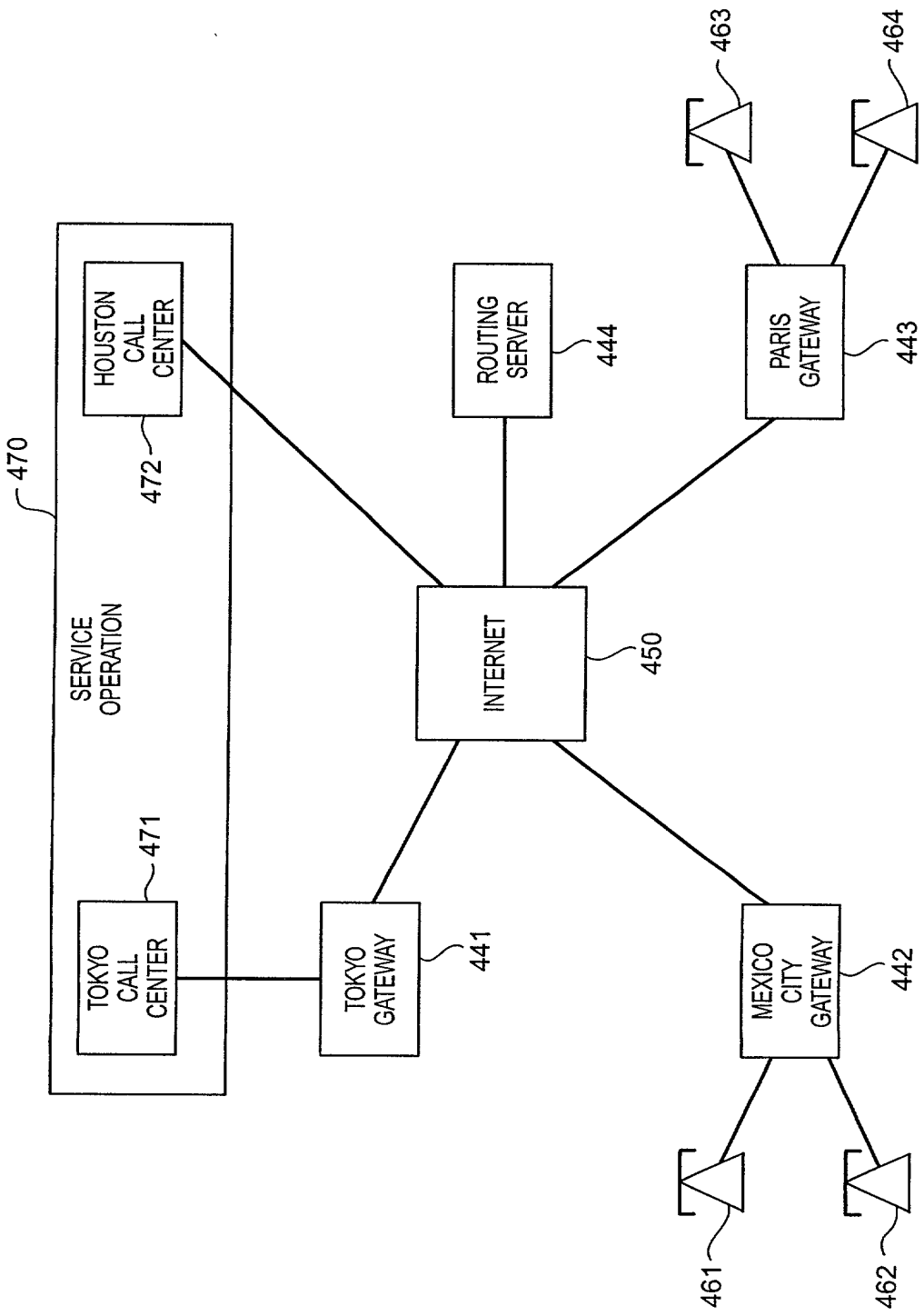
SERVICE OPERATION
470
HOUSTON CALL CENTER
472
TOKYO CALL CENTER
471
INTERNET
450
ROUTING SERVER
444
TOKYO GATEWAY
441
PARIS GATEWAY
443
MEXICO CITY GATEWAY
442
463
464
461
462

FIG. 4

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DESTINATION #	CALLER #	TOD	%	IP ADDRESS	IP ADDRESS
1	*	8 - 5	*	X	Z
1	*	5 - 1	*	Y	Z
1	*	1 - 8	*	Z	X
2	A	*	50	X	Y
2	A	*	50	Y	X
2	B	*	*	Z	Y

FIG. 5